



Docket No.: D0590.70003US00
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentee: Geert Plaetinck et al.
 Patent No.: 7,005,423
 Issue Date: February 28, 2006
 Serial No.: 09/347311
 Confirmation No.: 3674
 Filed: July 2, 1999
 For: CHARACTERIZATION OF GENE FUNCTION USING DOUBLE
 STRANDED RNA INHIBITION

Examiner: Woitach, Joseph T.
 Art Unit: 1632

Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: October 6, 2006

Sylvana Householder
 Sylvana Householder

REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.322

Attention: Certificate of Correction Branch
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 Alexandria, VA 22313-1450

Certificate
OCT 13 2006
of Correction

Dear Sir:

Patentee respectfully requests the correction of errors found in the printing of the face of the patent in the above-captioned patent. Specifically, the Foreign Application Priority Data was not included on the face of the patent. The foreign application priority data is as follows: GB 9814536.0, filed 07-03-1998 and GB 9827152.1, filed 12-09-1998.

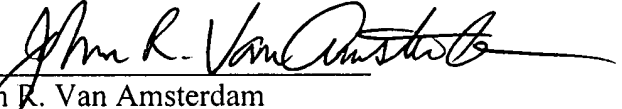
Patentee points out that the corrections requested do not involve change in the patent that constitutes new matter or would require reexamination, and therefore, respectfully requests that a

OCT 16 2006

certificate of correction be issued. Patentee encloses a copy of the page of the issued patent with the foreign application priority data highlighted in red. Since the error was made by the Patent Office, it is respectfully submitted that no fee is due. However, if the Examiner deems a fee necessary, the fee may be charged to the account of the undersigned, Deposit Account No. 23/2825. Should any questions arise concerning the foregoing, please contact the undersigned at the telephone number listed below.

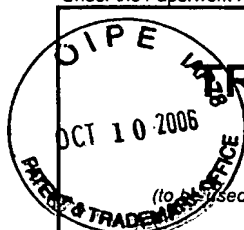
Dated: October 6, 2006

Respectfully submitted,

By 
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	Application Number	Patent#: 7,005,423
	Filing Date	Issued: February 28, 2006
	First Named Inventor	Geert Plaetinck
	Art Unit	1632
	Examiner Name	J. T. Voitach
Attorney Docket Number		D0590.70003US00

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request for Certificate of Correction Certificate of Correction Copy of face page of issued Patent No. 7,005,423 with changes indicated in red Return Receipt Postcard
<div style="border: 1px solid black; padding: 5px;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature			
Printed name	John R. Van Amsterdam		
Date	October 6, 2006	Reg. No.	40,212

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Date: October 6, 2006Signature: Sylvana Householder (Sylvana Householder)

OCT 16 2006

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CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7005423
APPLICATION NO. : 09/347311
ISSUE DATE : February 28, 2006
INVENTOR(S) : Geert Plaetinck et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face of the patent, please add the Foreign Application Priority Data as follows:

(30) Foreign Application Priority Data

July 3, 1998 GB 9814536.0
Dec. 9, 1998 GB 9827152.1

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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(12) **United States Patent**
Plaetinck et al.

(10) **Patent No.:** **US 7,005,423 B1**
(45) **Date of Patent:** **Feb. 28, 2006**

(54) **CHARACTERIZATION OF GENE FUNCTION USING DOUBLE STRANDED RNA INHIBITION**

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(73) Assignee: **Devgen NV**, Ghent-Zwynaarde (BE)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/347,311**

(22) Filed: **Jul. 2, 1999**

(51) Int. Cl.
A61K 31/70 (2006.01)
C07H 21/02 (2006.01)
C07H 21/04 (2006.01)
C12Q 1/68 (2006.01)
C12N 5/00 (2006.01)

(52) U.S. Cl. **514/44**; 536/23.1; 536/24.5;
435/6; 435/325

(58) Field of Classification Search 536/23.1,
536/24.5; 514/44; 435/6, 325, 455; 800/84
See application file for complete search history.

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Primary Examiner—Joseph Woitach

(74) Attorney, Agent, or Firm—Wolf, Greenfield & Sacks, P.C.

(57) **ABSTRACT**

There is provided a method of identifying DNA responsible for conferring a particular phenotype in a cell which method comprises a) constructing a cDNA or genomic library of the DNA of the cell in a suitable vector in an orientation relative to a promoter(s) capable of initiating transcription of the cDNA or DNA to double stranded (ds) RNA upon binding of an appropriate transcription factor to the promoter(s), b) introducing said library into one or more of the cells comprising the transcription factor, and c) identifying and isolating a particular phenotype of the cell comprising the library and identifying the DNA or cDNA fragment from the library responsible for conferring the phenotype. Using this technique it is also possible to assign a function to a known DNA sequence by a) identifying a homologue(s) of the DNA sequence in a cell, b) isolating the relevant DNA homologue(s) or a fragment thereof from the cell, c) cloning the homologue or fragment thereof into an appropriate vector in an orientation relative to a suitable promoter(s) capable of initiating transcription of dsRNA from the DNA homologue or fragment upon binding of an appropriate transcription factor to the promoter(s), and d) introducing the vector into the cell from step a) comprising the transcription factor.

37 Claims, 19 Drawing Sheets

(30) Foreign Application Priority Data

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